

kristal 32 WG



Bioinsecticide in water dispersible granules
Based on *Bacillus thuringiensis*,
Kurstaki variety

PLANT
PROTECTION



CHARACTERISTICS:

KRISTAL 32 WG acts only by ingestion, against Lepidoptera larvae: they stop their feeding process after a few hours from ingestion, coming to death after a few days. For an effective action, it is recommended to use the product against populations of larvae during their first growth stages.

WARNINGS:

Do not mix with products that have alkaline reaction. Treatments should be carried out in the evening. Keep the product in a dry, cool and well ventilated place. The product is stable for more than 2 years, if stored in its original packaging.

USE A 6-6.5 pH SOLUTION TO ACHIEVE THE MAXIMUM EFFECTIVENESS OF THE PRODUCT.

COMPOSITION	FORMULATION	CLASSIFICATION	PRE-HARVEST INTERVAL	PACKAGING
Bacillus thuringiensis subsp. kurstaki, strain ABTS 351 Fermentation products and soluble solids: g 54 (Power 32.000 UI/mg of formulation on <i>Trichoplusia ni</i>) Co-formulants q.s. to g 100 Authorisation of Ministry of Health: n° 9679 del 07/07/1998	Water dispersible granule	Not classified	Not required	1 kg sack Boxes of 10 pieces

Crop	Pests	rate (g/100 lt)	rate (g/ha)	water volume (lt/ha)	n. treat. /year (int. between appl.)
Citrus fruit	Citrus flower moth (<i>Prays citri</i>)	60-80	600-800	1000	1-3 (7 days)
Pome fruit (apple, pear)	Defoliating moths, Barred fruit-tree tortrix (<i>Pandemis cerasana</i>)	100	500-1500	500-1500	3-8 (6 days)
Grapevine	Defoliating moths and butterflies, European grapevine moth (<i>Lobesia botrana</i>)	50-100	500-1000	1000-2000	1-8 1-4 for gen. (7 days)
Olive	Olive kernel borer (<i>Prays oleae</i>), Fall webworm (<i>Hypanthria cunea</i>)	60-80	600-800	1000	1-3 (7 days)
Stone fruit	Defoliating moths, Oriental fruit moth (<i>Cydia molesta</i>), Peach twig borer (<i>Anarsia lineatella</i>)	60-100	750-1500	1000-1500	3-10 2-5 for gen.
Actinidia	Grape tortrix moth (<i>Argyrotaenia pulchellana</i>), Moth	60-100	600-1000	1000	1-2 for gen. (7days)
Strawberry	Pyralidae (<i>Ostrinia nubilalis</i>), Barred fruit-tree tortrix (<i>Pandemis cerasana</i>), Grape tortrix moth	90-100	550-600	600	1-3 for gen. (5-7 days)
Potato	Potato tuber moth (<i>Phthorimaea operculella</i>), Fall webworm (<i>Hypanthria cunea</i>)	100-165	600-1000	600	1-3 for gen. (3-16 days)
Corn	European corn borer (<i>Ostrinia nubilalis</i>), Fall webworm (<i>Hypanthria cunea</i>)	100-165	600-1000	600	1-6 1-3for gen.(5-7days)
Vegetable crops in field: Brassicaceae (cabbages, radish, rapeseed, turnip rape), Solanaceae (tomato, pepper, eggplant), melon, lettuces and salads, artichoke, leek	Cutworms (<i>Spodoptera spp.</i> , <i>Agrotis segetum</i> , <i>Mamestra brassicae</i> , <i>Autographa gamma</i> , <i>Plusia spp. Tricoplusia ni</i>), <i>Depressaria</i> , <i>Evergetis forficalis</i> , Cabbage moth, <i>Vanessa cardui</i> , <i>Tuta absoluta</i>	100-200	750-1000	500-1000	1-8 1-3 for gen. (7 days)
Herbs, green bean, cardoon, celery, fennel	Cutworms, Rusty dot pearl (<i>Udea rubigalis</i>), Painted lady (<i>Vanessa cardui</i>)	75-85	450-500	600	1-8 1-3 for gen. (7 days)
	Defoliating butterflies, Tortrix, Fall webworm (<i>Hypanthria cunea</i>)	100-165	600-1000	600	
Cucurbits (pumpkin, zucchini, watermelon)	Cutworms, Pyralidae (<i>Ostrinia nubilalis</i>)	90-100	550-600	600	1-8 1-3 for gen. (7 days)
	Defoliating butterflies, Tortrix, Fall webworm (<i>Hypanthria cunea</i>)	100-165	600-1000	600	
Vegetable crops in greenhouse (bean, pepper, cucumber, eggplant, tomato)	Defoliating moths, <i>Tuta absoluta</i> , <i>Helicoverpa armigera</i> , <i>Ostrinia fumacalis</i>	100-200	500-1000	500-1000	1-8 1-3 for gen. (7 days)
Sugar beet, beetroot	Fall webworm (<i>Hypanthria cunea</i>), <i>Mamestra (Mamestra brassicae)</i> , Moth (<i>Scobipalpa ocelatella</i>)	100-165	600-1000	600	1-3 for gen. (7 days)
Soybean	Painted lady (<i>Cynthia cardui</i>), Fall webworm	100-165	600-1000	600	1-3 for gen. (7 days)
Sunflower and cotton	Cutworms, Fall webworm	100-165	600-1000	600	1-3 for gen. (7 days)
Rice	Defoliating moths, Cutworm (<i>Mythimna unipuncta</i>), <i>Spodoptera spp.</i>	200	750-1000	375-500	1-2 (10 days)
Flowering and ornamental plants in greenhouse	Defoliating moths, <i>Helicoverpa armigera</i> , <i>Spodoptera exigua</i> , Tomato looper	100-200	750-1000	500-1000	1-8 1-3 for gen. (7 days)
Turf and nursery	Defoliating moths, Fall webworm	100-165	600-1000	600	1-3 for gen. (7 days)

Carefully read all the instructions for use given in the label, before using the product.